

Headwall

Standard Drawings

12 drawing sheets
Consistent 11 x 17 landscape catalog

Headwalls for a wide range of pipe diameters, with grates and handrails as options. Custom headwalls are built on request.

ast.com



Tri-Kon Precast Products Ltd. 601 Patterson Street West Cranbrook BC V1C 6T3 250-426-8162 info@trikonprecast.com trikonprecast.com	DRAWING / PRODUCT NAME Drawing catalog	CATALOG REFERENCE TK-HW-COVER	SHEET Cover
	DESCRIPTION Headwalls for a wide range of pipe diameters, with grates and handrails as options. Custom headwalls are built on request.	SHEET FORMAT 11 x 17 in / Landscape	UNITS / SCALE As noted / Do not scale
	APPROX. WEIGHT - SOURCE VALUES ONLY Weights are listed on individual sheets where stated in the source.	ORIGINAL SOURCE DATE Not applicable	LAYOUT UPDATED ONLY 2026-10-05



SHEET INDEX

PRODUCT REFERENCE / DO NOT SCALE

1

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Drawing directory

Select a sheet to open its drawing. Original technical content and source units are retained.

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02 11-13 Headwall

03 11-13 Headwall & Inlet Grate

04 11-13 Headwall & Outlet Grate

05 HW 16-20

06 HW 16-20 Handrail

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08 Headwall Types HW-1 and HW-1A, General Notes

09 HW 26-28

10 HW 26-28 Handrail

11 HW 26-28 Trash Rack

12 3050 x 1525 mm Double Headwall

Tri-Kon Precast Products Ltd.

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Cranbrook BC V1C 6T3

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trikonprecast.com

DRAWING / PRODUCT NAME

Drawing directory

DESCRIPTION

Headwalls for a wide range of pipe diameters, with grates and handrails as options. Custom headwalls are built on request.

APPROX. WEIGHT - SOURCE VALUES ONLY

Weights are listed on individual sheets where stated in the source.

CATALOG REFERENCE

TK-HW-INDEX

SHEET FORMAT

11 x 17 in / Landscape

ORIGINAL SOURCE DATE

Not applicable

SHEET

Index / 12 drawings

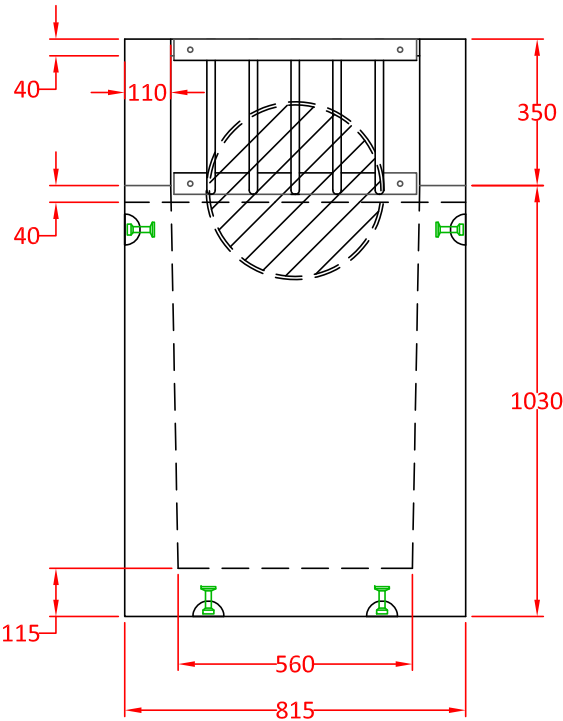
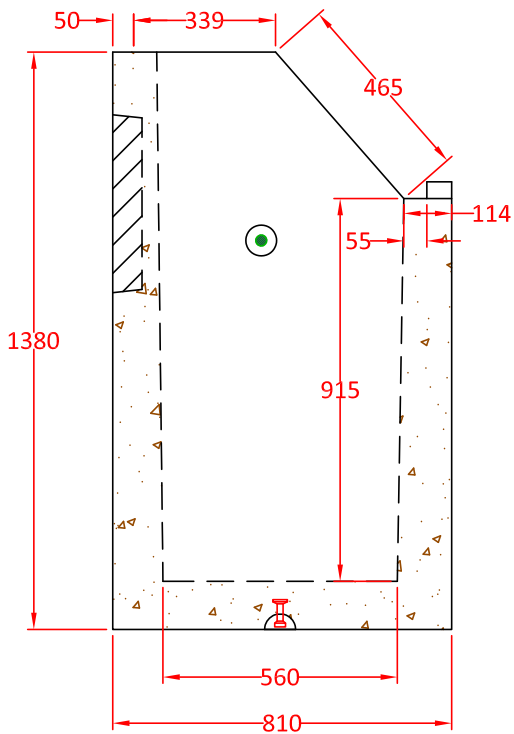
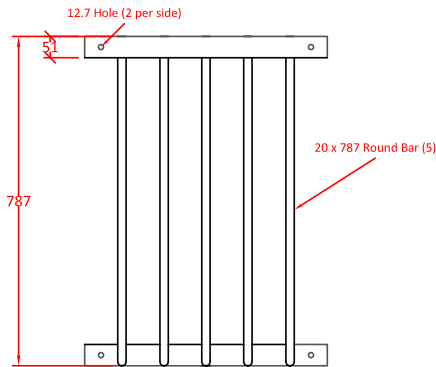
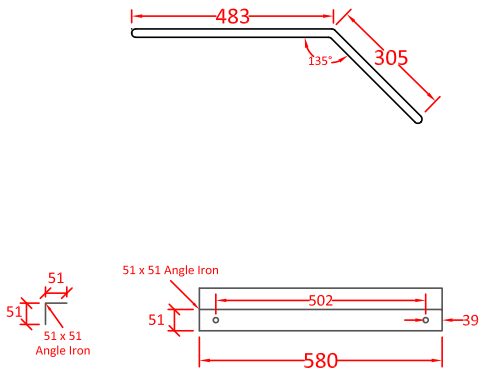
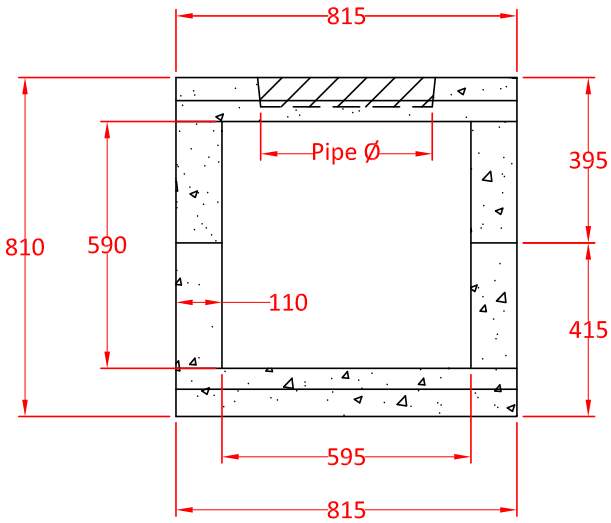
UNITS / SCALE

As noted / Do not scale

LAYOUT UPDATED ONLY

2026-10-05

Technical content unchanged. Confirm specifications and handling weights with Tri-Kon. Project examples are not standard designs. Document layout: Built by Vision (BBV).



- Notes:
- Dimensions are in mm, (unless otherwise noted)
 - Rough core as shown (Max 400mm)
 - Includes embedded threaded inserts
 - Approx weight - 3300 lbs
 - Min concrete strength - 30 MPa
 - Min rebar yield strength - 414 MPa

Tri-Kon Precast Products Ltd.

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DRAWING / PRODUCT NAME

Type 1 Headwall & Grill

DESCRIPTION

Headwalls for a wide range of pipe diameters, with grates and handrails as options. Custom headwalls are built on request.

APPROX. WEIGHT - SOURCE VALUES ONLY

3300 lbs (source approximate weight)

CATALOG REFERENCE

TK-HW-001

SHEET FORMAT

11 x 17 in / Landscape

ORIGINAL SOURCE DATE

As recorded in original

SHEET

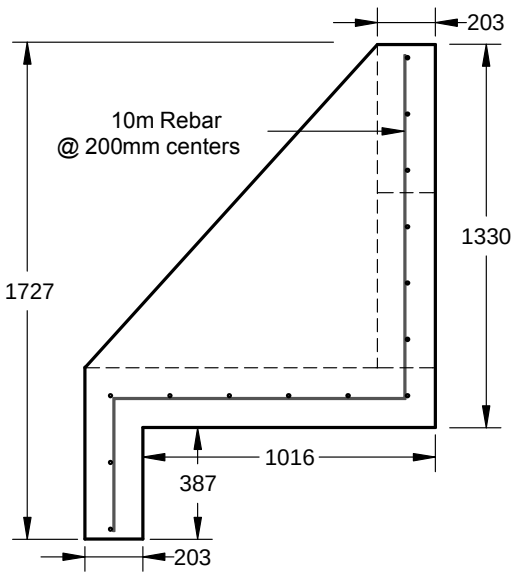
01 / 12

UNITS / SCALE

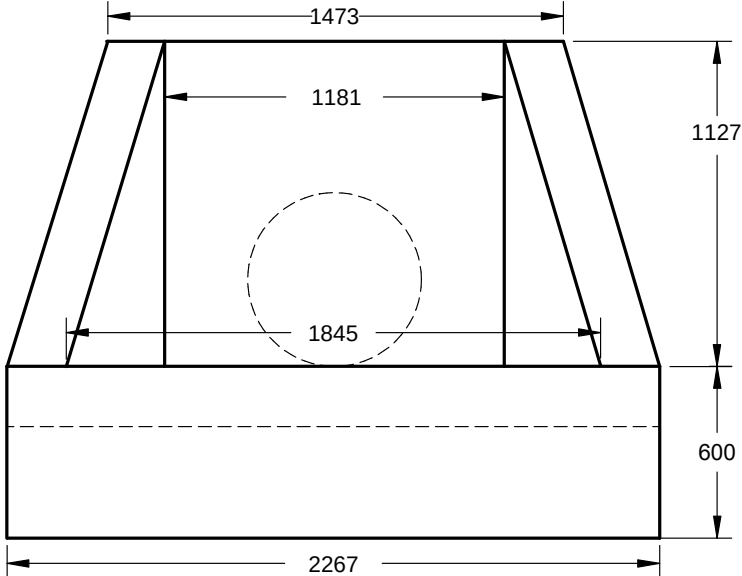
As noted / Do not scale

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2026-10-05



SIDE ELEVATION



FRONT ELEVATION

REINFORCING

1. REINFORCING STEEL IS TO CONFORM TO CSA G30.12M - GRADE 400 MPa.
2. REINFORCING STEEL IS TO BE PLACED AS DETAILED TO 10mm TOLERANCE AND IS TO BE SUPPORTED BY METAL OR PLASTIC SUPPORTS AND/OR HANGERS IN ACCORDANCE WITH CAN/CSA A23.1.
3. LAP ALL REINFORCING BAR SPLICES 32 BAR DIAMETERS MINIMUM UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
4. REINFORCING STEEL IS TO BE CLEAN, FREE OF CORROSION & UNDAMAGED.
5. DO NOT WELD BARS OR USE HEAT TO BEND REINFORCING STEEL.
6. CONCRETE COVER OVER REINFORCEMENT IS TO BE 50mm UNLESS OTHERWISE NOTED ON DRAWINGS

ITEM	AGG SIZE	STRENGTH	W/C	AIR %	CEMENT TYPE	EXPOSURE
HEADWALL	20mm	45Mpa	0.40	4-7	HS	F-2

11-13 HEADWALL

Tri-Kon Precast Products Ltd.

601 Patterson Street West
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trikonprecast.com

DRAWING / PRODUCT NAME

11-13 Headwall

DESCRIPTION

Headwalls for a wide range of pipe diameters, with grates and handrails as options. Custom headwalls are built on request.

APPROX. WEIGHT - SOURCE VALUES ONLY

See drawing / confirm with Tri-Kon; no weight estimated.

CATALOG REFERENCE

TK-HW-002

SHEET FORMAT

11 x 17 in / Landscape

ORIGINAL SOURCE DATE

As recorded in original

SHEET

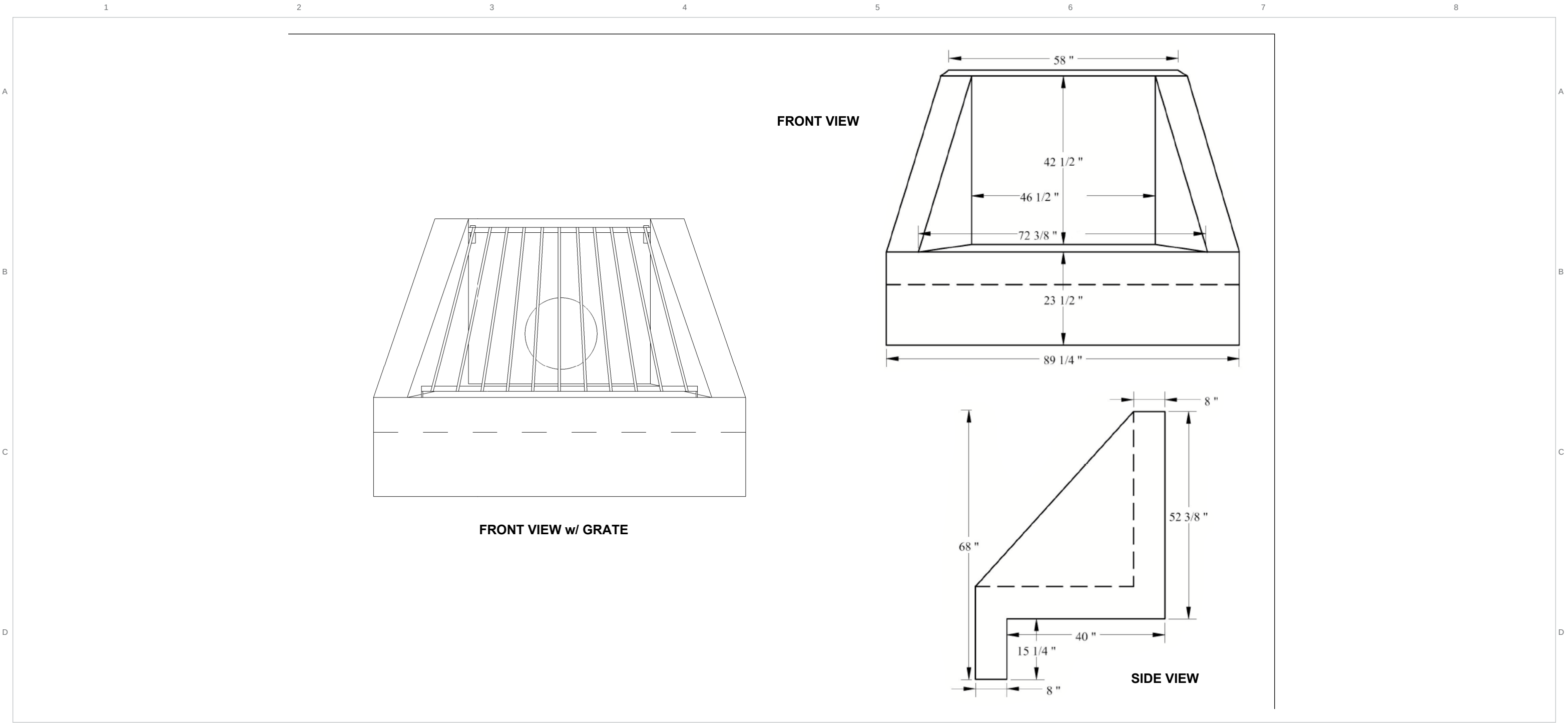
02 / 12

UNITS / SCALE

As noted / Do not scale

LAYOUT UPDATED ONLY

2026-10-05



Tri-Kon Precast Products Ltd.

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DRAWING / PRODUCT NAME

11-13 Headwall & Inlet Grate

DESCRIPTION

Headwalls for a wide range of pipe diameters, with grates and handrails as options. Custom headwalls are built on request.

APPROX. WEIGHT - SOURCE VALUES ONLY

See drawing / confirm with Tri-Kon; no weight estimated.

CATALOG REFERENCE

TK-HW-003

SHEET FORMAT

11 x 17 in / Landscape

ORIGINAL SOURCE DATE

As recorded in original

SHEET

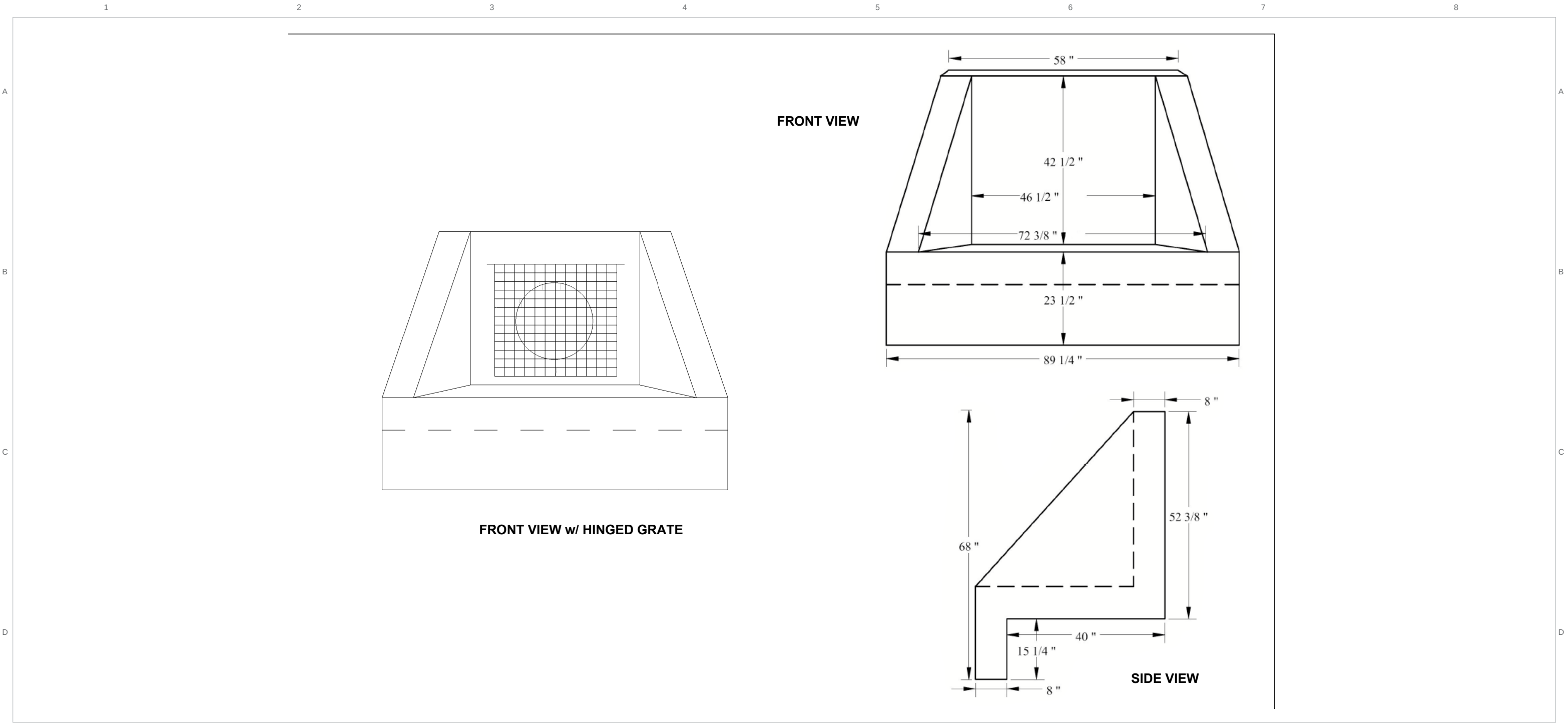
03 / 12

UNITS / SCALE

As noted / Do not scale

LAYOUT UPDATED ONLY

2026-10-05



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601 Patterson Street West
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DRAWING / PRODUCT NAME

11-13 Headwall & Outlet Grate

DESCRIPTION

Headwalls for a wide range of pipe diameters, with grates and handrails as options. Custom headwalls are built on request.

APPROX. WEIGHT - SOURCE VALUES ONLY

See drawing / confirm with Tri-Kon; no weight estimated.

CATALOG REFERENCE

TK-HW-004

SHEET FORMAT

11 x 17 in / Landscape

ORIGINAL SOURCE DATE

As recorded in original

SHEET

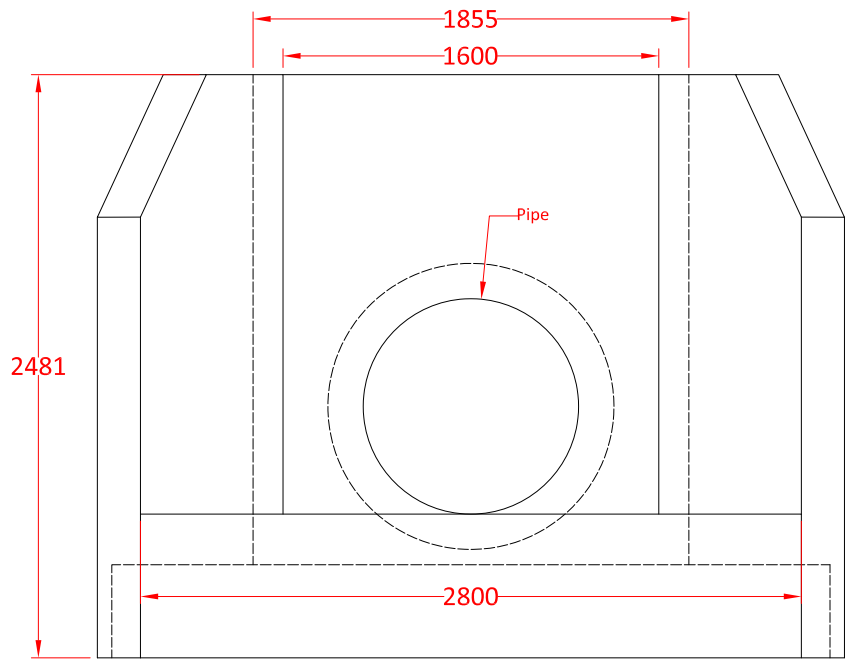
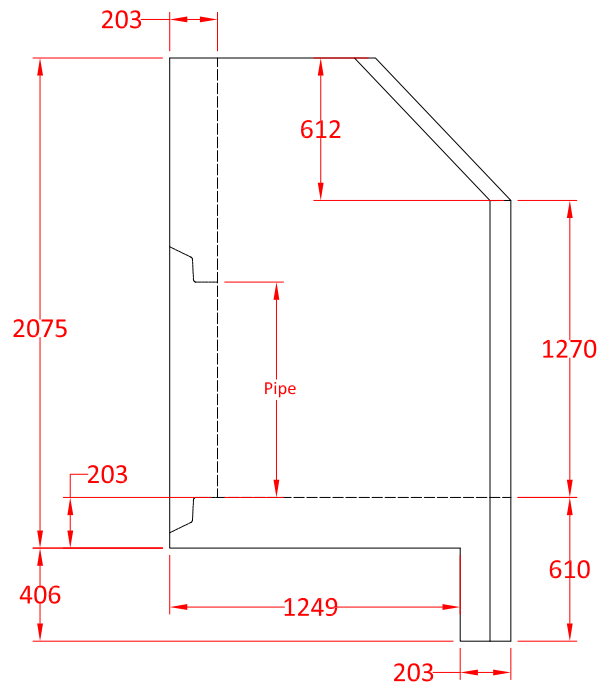
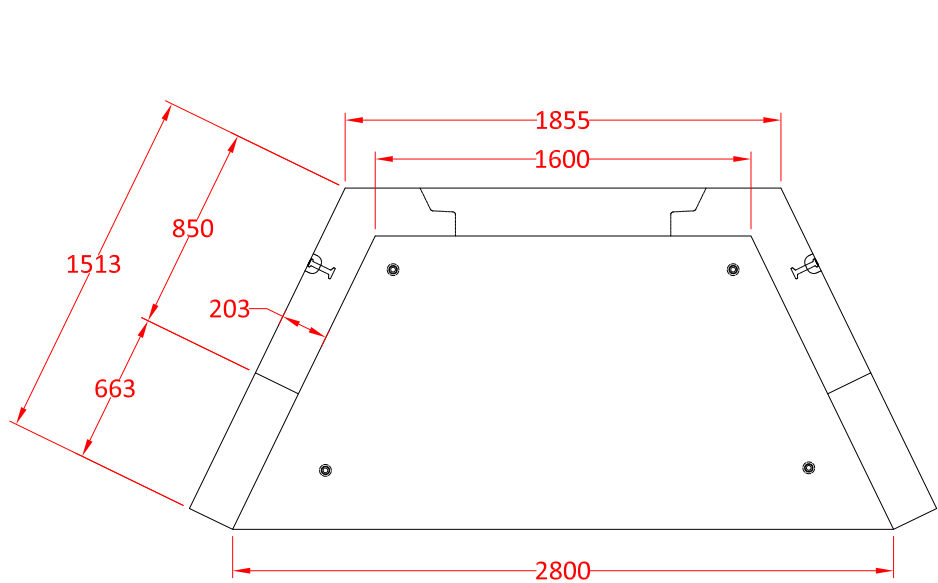
04 / 12

UNITS / SCALE

As noted / Do not scale

LAYOUT UPDATED ONLY

2026-10-05



NOTES:

- HW 16-20 built as shown
- Rough core for outlet/inlet as required
- Recommended max hole core size is 1400mm
- Outlet/inlet grills & handrails are optional
- Includes lifting pins as required
- Min. rebar yield strength is 410MPa
- Min. concrete strength is 30MPa
- All measurements are in mm (Unless otherwise noted)

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DRAWING / PRODUCT NAME

HW 16-20

DESCRIPTION

Headwalls for a wide range of pipe diameters, with grates and handrails as options. Custom headwalls are built on request.

APPROX. WEIGHT - SOURCE VALUES ONLY

See drawing / confirm with Tri-Kon; no weight estimated.

CATALOG REFERENCE

TK-HW-005

SHEET FORMAT

11 x 17 in / Landscape

ORIGINAL SOURCE DATE

As recorded in original

SHEET

05 / 12

UNITS / SCALE

As noted / Do not scale

LAYOUT UPDATED ONLY

2026-10-05

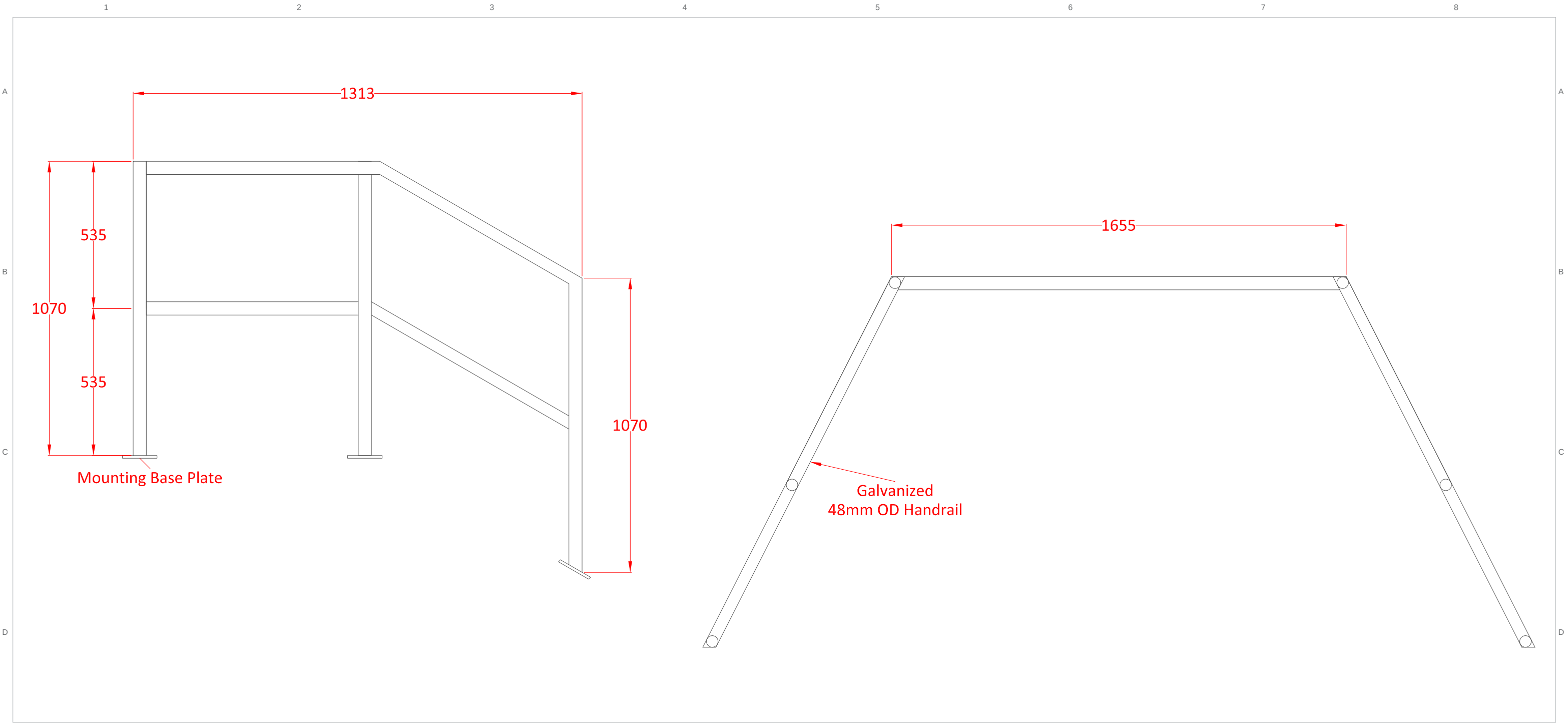


Headwall

HW 16-20 Handrail

TRI-KON SOURCE

PRODUCT REFERENCE / DO NOT SCALE



Tri-Kon Precast Products Ltd. 601 Patterson Street West Cranbrook BC V1C 6T3 250-426-8162 info@trikonprecast.com trikonprecast.com	DRAWING / PRODUCT NAME HW 16-20 Handrail	CATALOG REFERENCE TK-HW-006	SHEET 06 / 12
	DESCRIPTION Headwalls for a wide range of pipe diameters, with grates and handrails as options. Custom headwalls are built on request.	SHEET FORMAT 11 x 17 in / Landscape	UNITS / SCALE As noted / Do not scale
	APPROX. WEIGHT - SOURCE VALUES ONLY See drawing / confirm with Tri-Kon; no weight estimated.	ORIGINAL SOURCE DATE As recorded in original	LAYOUT UPDATED ONLY 2026-10-05

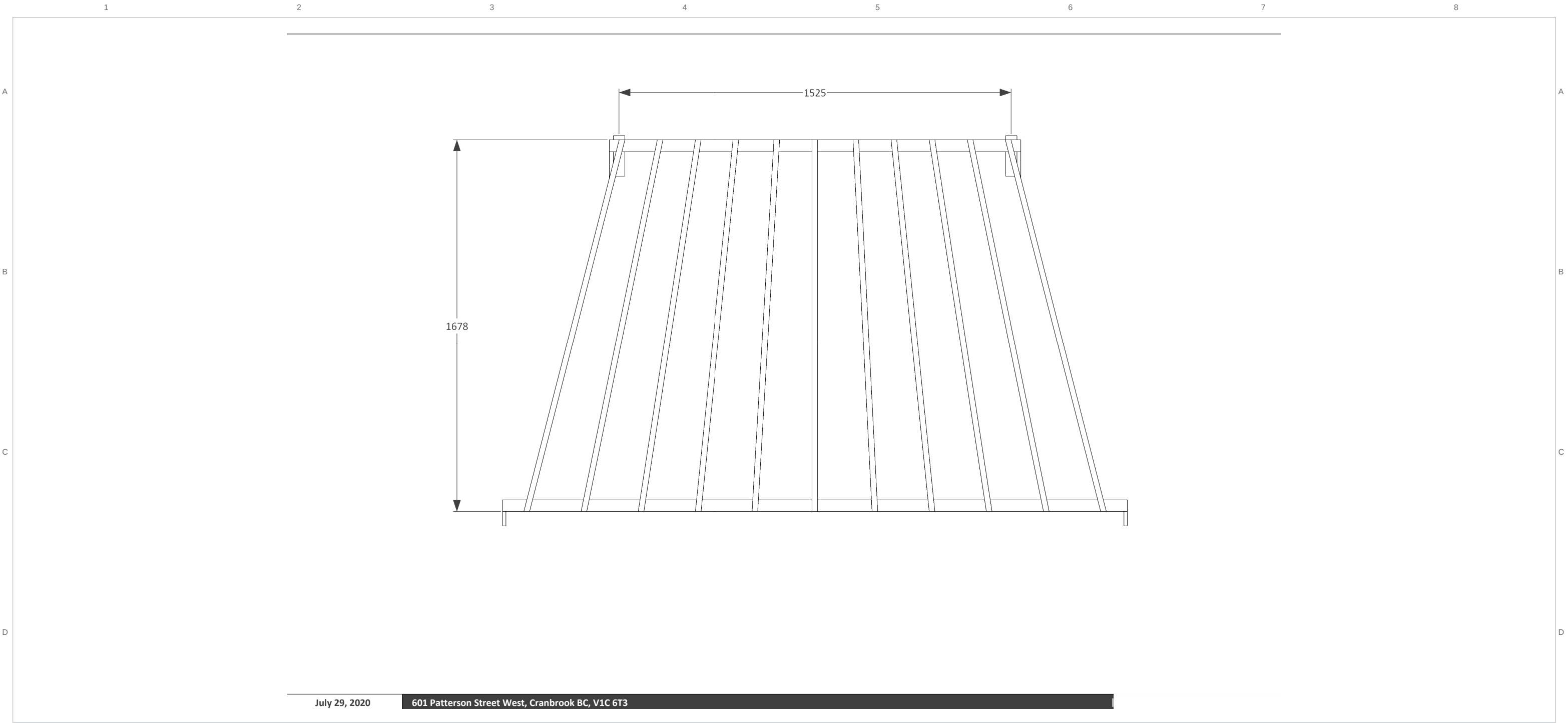


Headwall

HW 16-20 Trash Rack

TRI-KON SOURCE

PRODUCT REFERENCE / DO NOT SCALE



July 29, 2020

601 Patterson Street West, Cranbrook BC, V1C 6T3

Tri-Kon Precast Products Ltd.

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trikonprecast.com

DRAWING / PRODUCT NAME

HW 16-20 Trash Rack

DESCRIPTION

Headwalls for a wide range of pipe diameters, with grates and handrails as options. Custom headwalls are built on request.

APPROX. WEIGHT - SOURCE VALUES ONLY

See drawing / confirm with Tri-Kon; no weight estimated.

CATALOG REFERENCE

TK-HW-007

SHEET FORMAT

11 x 17 in / Landscape

ORIGINAL SOURCE DATE

July 29, 2020

SHEET

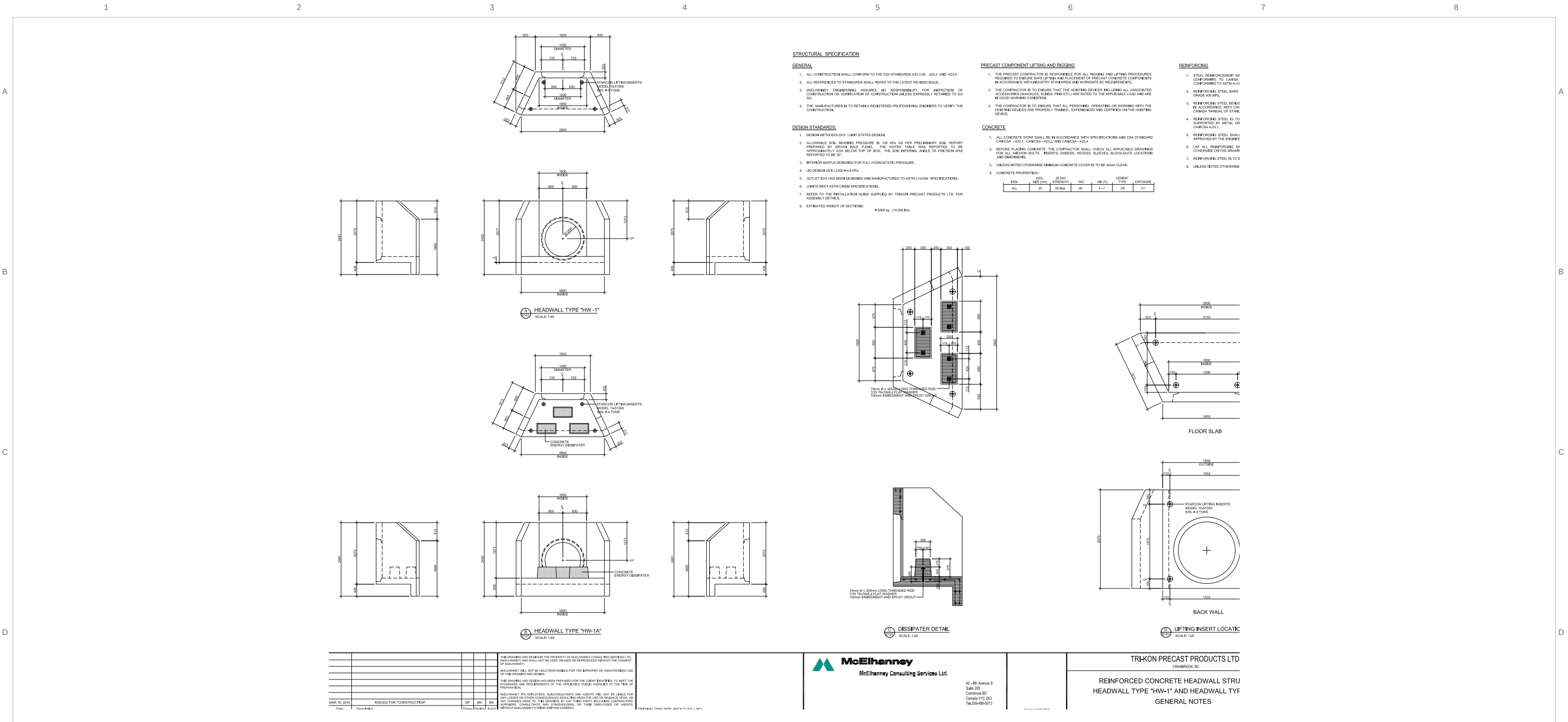
07 / 12

UNITS / SCALE

As noted / Do not scale

LAYOUT UPDATED ONLY

2026-10-05



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DRAWING / PRODUCT NAME

Headwall Types HW-1 and HW-1A, General Notes

DESCRIPTION

Headwalls for a wide range of pipe diameters, with grates and handrails as options. Custom headwalls are built on request.

APPROX. WEIGHT - SOURCE VALUES ONLY

See drawing / confirm with Tri-Kon; no weight estimated.

CATALOG REFERENCE

TK-HW-008

SHEET

08 / 12

SHEET FORMAT

11 x 17 in / Landscape

UNITS / SCALE

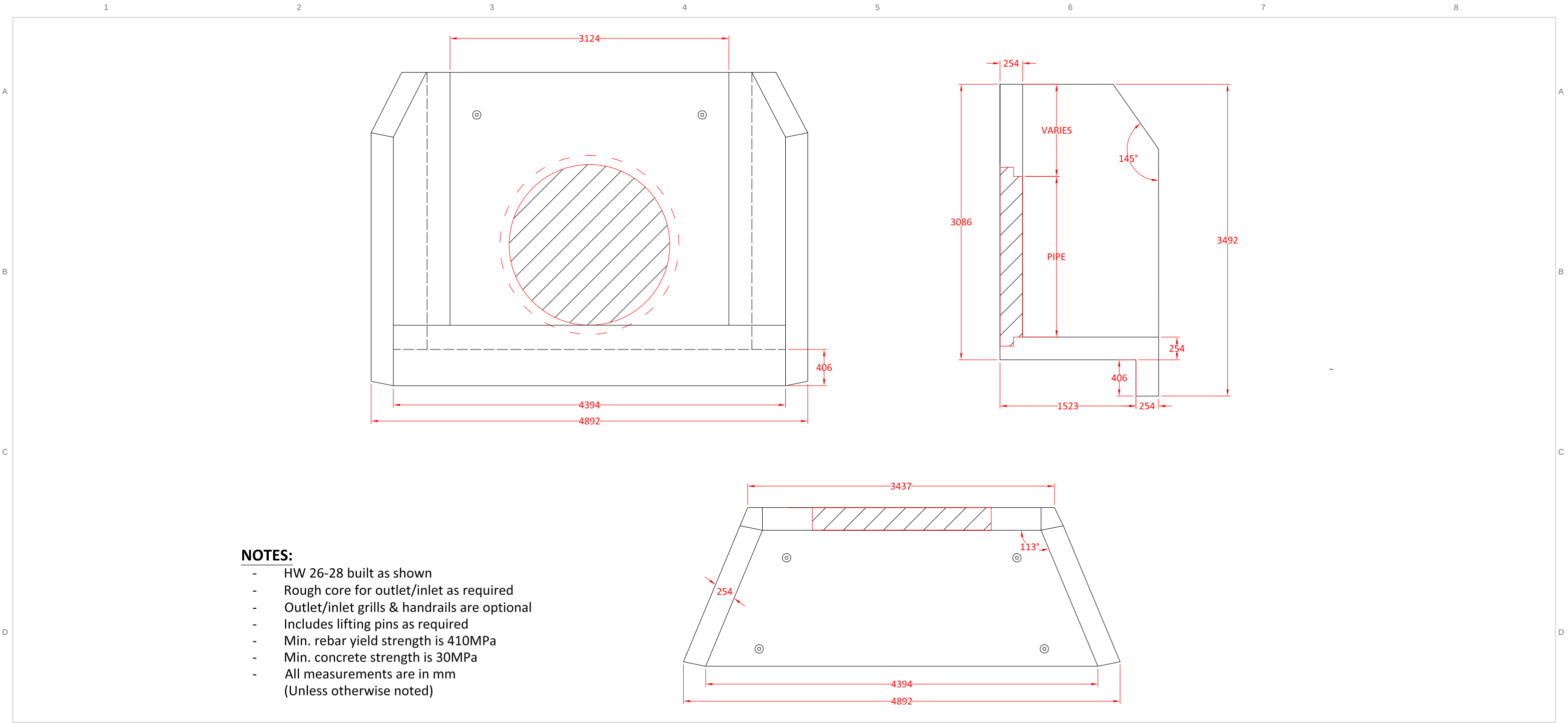
As noted / Do not scale

ORIGINAL SOURCE DATE

As recorded in original

LAYOUT UPDATED ONLY

2026-10-05



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DRAWING / PRODUCT NAME

HW 26-28

DESCRIPTION

Headwalls for a wide range of pipe diameters, with grates and handrails as options. Custom headwalls are built on request.

APPROX. WEIGHT - SOURCE VALUES ONLY

See drawing / confirm with Tri-Kon; no weight estimated.

CATALOG REFERENCE

TK-HW-009

SHEET FORMAT

11 x 17 in / Landscape

ORIGINAL SOURCE DATE

As recorded in original

SHEET

09 / 12

UNITS / SCALE

As noted / Do not scale

LAYOUT UPDATED ONLY

2026-10-05

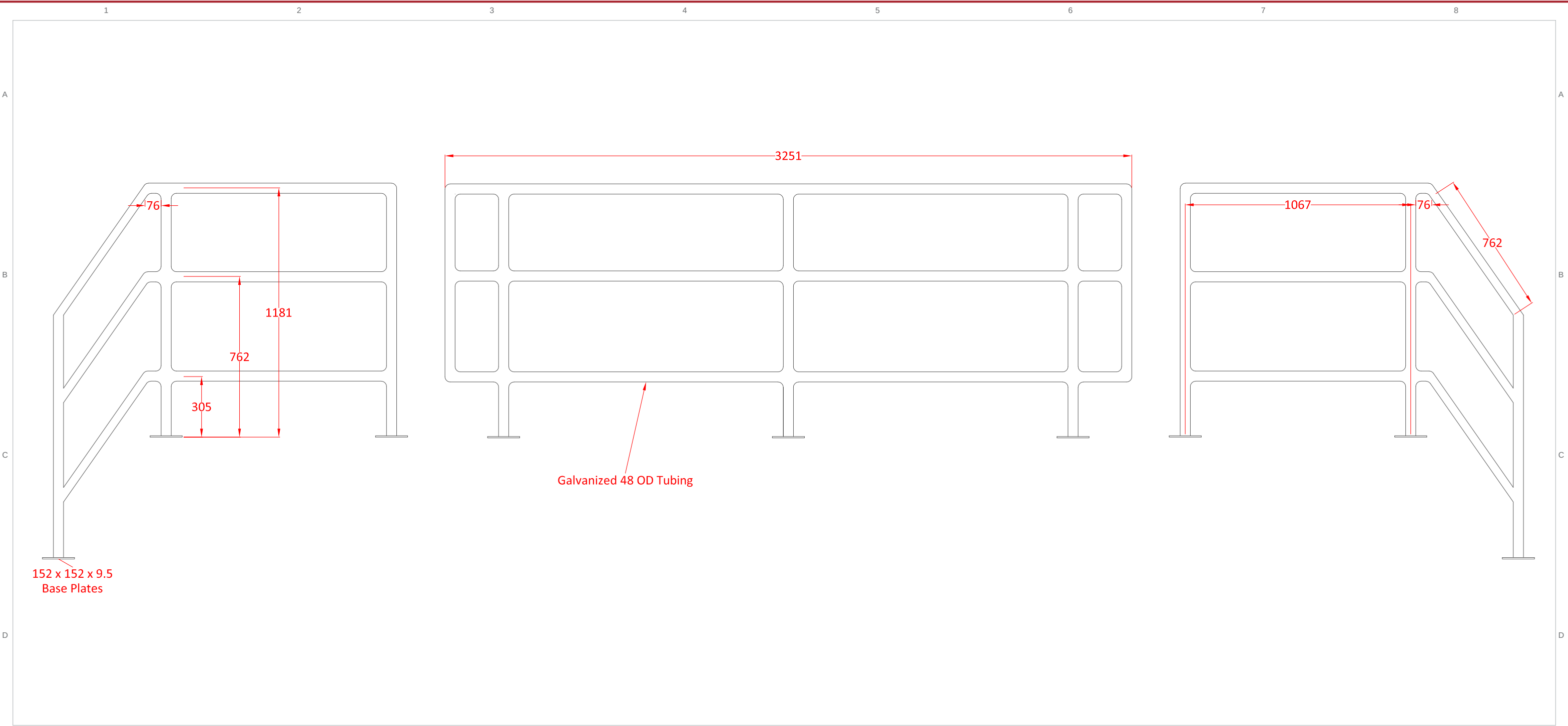


Headwall

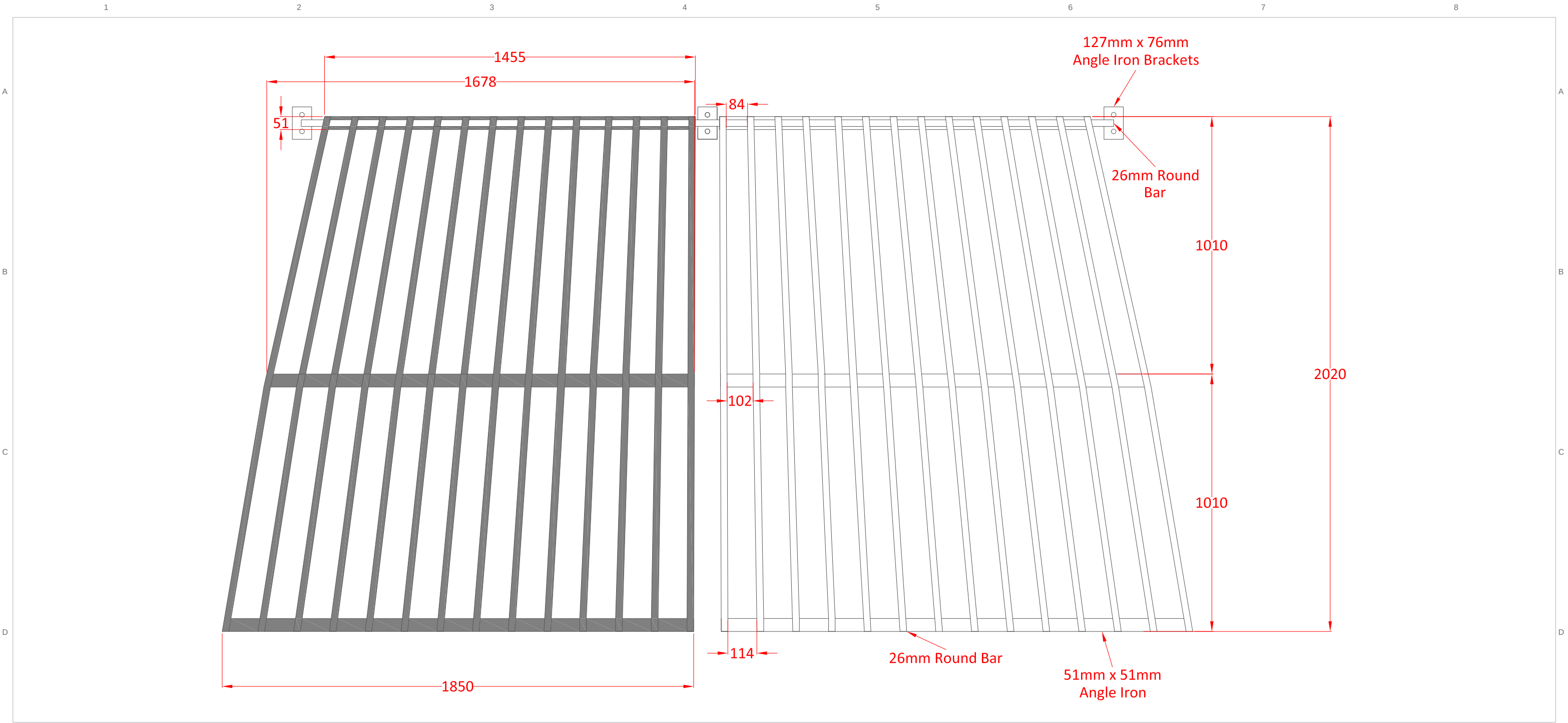
HW 26-28 Handrail

TRI-KON SOURCE

PRODUCT REFERENCE / DO NOT SCALE



Tri-Kon Precast Products Ltd. 601 Patterson Street West Cranbrook BC V1C 6T3 250-426-8162 info@trikonprecast.com trikonprecast.com	DRAWING / PRODUCT NAME HW 26-28 Handrail	CATALOG REFERENCE TK-HW-010	SHEET 10 / 12
	DESCRIPTION Headwalls for a wide range of pipe diameters, with grates and handrails as options. Custom headwalls are built on request.	SHEET FORMAT 11 x 17 in / Landscape	UNITS / SCALE As noted / Do not scale
	APPROX. WEIGHT - SOURCE VALUES ONLY See drawing / confirm with Tri-Kon; no weight estimated.	ORIGINAL SOURCE DATE As recorded in original	LAYOUT UPDATED ONLY 2026-10-05



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trikonprecast.com

DRAWING / PRODUCT NAME

HW 26-28 Trash Rack

DESCRIPTION

Headwalls for a wide range of pipe diameters, with grates and handrails as options. Custom headwalls are built on request.

APPROX. WEIGHT - SOURCE VALUES ONLY

See drawing / confirm with Tri-Kon; no weight estimated.

CATALOG REFERENCE

TK-HW-011

SHEET FORMAT

11 x 17 in / Landscape

ORIGINAL SOURCE DATE

As recorded in original

SHEET

11 / 12

UNITS / SCALE

As noted / Do not scale

LAYOUT UPDATED ONLY

2026-10-05

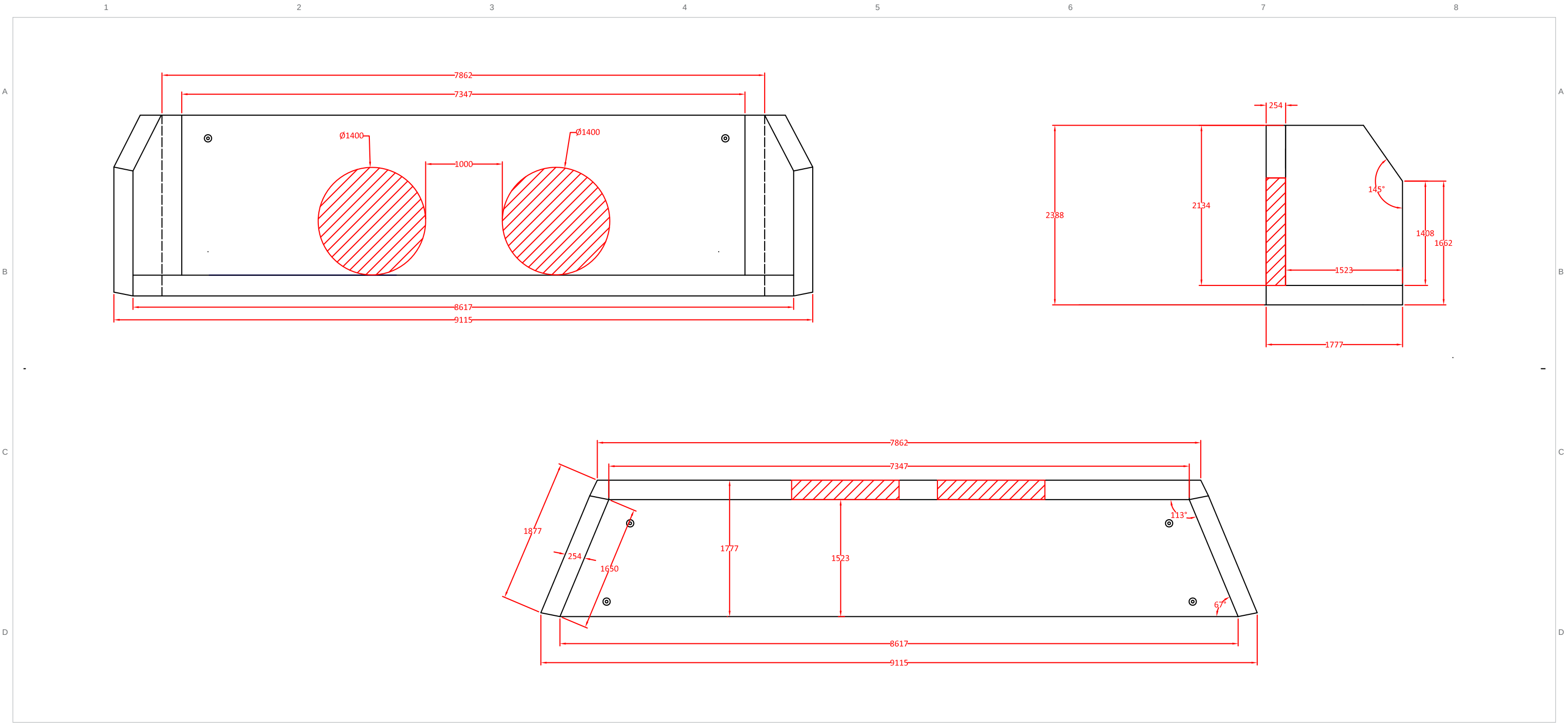


Headwall

3050 x 1525 mm Double Headwall

TRI-KON SOURCE

PRODUCT REFERENCE / DO NOT SCALE



Tri-Kon Precast Products Ltd. 601 Patterson Street West Cranbrook BC V1C 6T3 250-426-8162 info@trikonprecast.com trikonprecast.com	DRAWING / PRODUCT NAME 3050 x 1525 mm Double Headwall	CATALOG REFERENCE TK-HW-012	SHEET 12 / 12
	DESCRIPTION Headwalls for a wide range of pipe diameters, with grates and handrails as options. Custom headwalls are built on request.	SHEET FORMAT 11 x 17 in / Landscape	UNITS / SCALE As noted / Do not scale
	APPROX. WEIGHT - SOURCE VALUES ONLY See drawing / confirm with Tri-Kon; no weight estimated.	ORIGINAL SOURCE DATE As recorded in original	LAYOUT UPDATED ONLY 2026-10-05